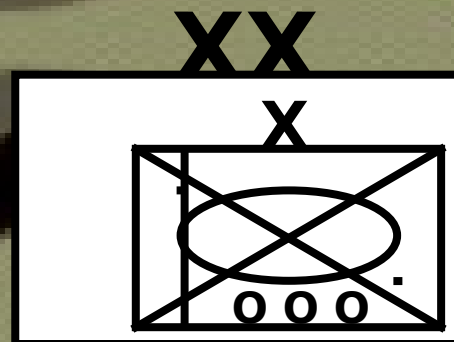


The Interim Brigade Combat Team



**Briefing to the
World Wide OPFOR Conference
6 Feb 01
Mr. Scott McMichael**

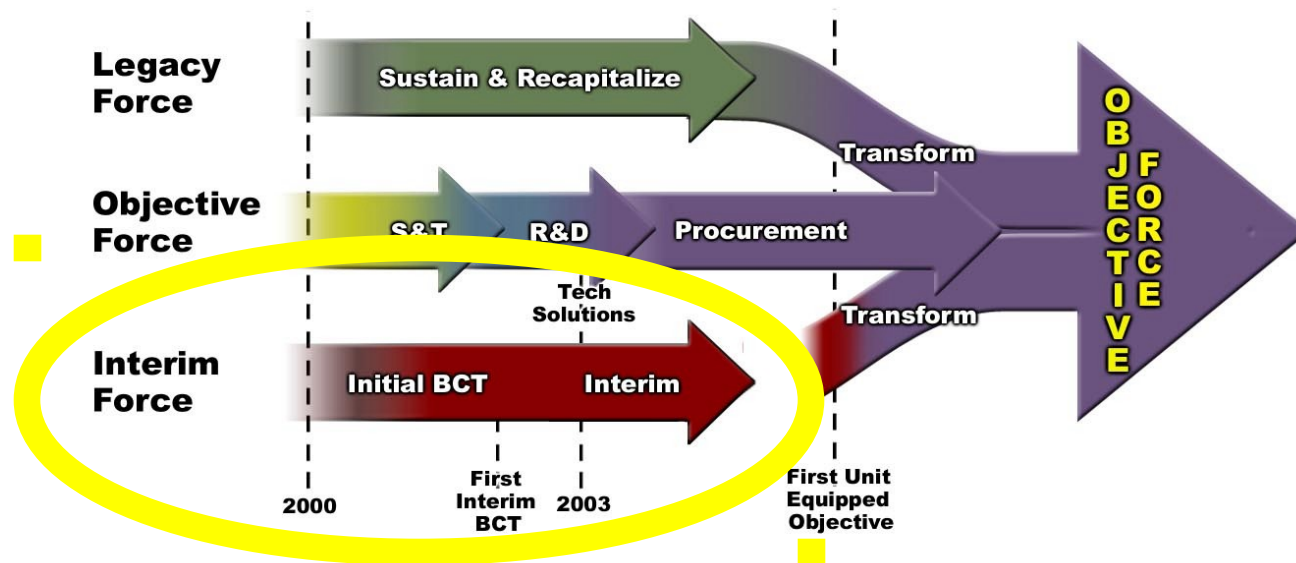
Purpose

To provide an Overview of the Interim Brigade Combat Team

...Concept to Initiation of the First IBCT In Less Than One Year

INTERIM BRIGADE COMBAT TEAM (IBCT)

- **First Installment of Army Transformation**
- **Meets Contemporary Requirements Even As We**
 - ...Recapitalize and Modernize the Legacy Force
 - ...Develop Science & Technology for the Objective Force



....and Provides A Bridge To The Objective F

...Risk: Potential adversaries [and perhaps allies] will perceive our actions as a reduction in US focus on fighting and winning M

MTW

HVY

Train, Alert, Deploy

SSC

Alert, Train, Deploy

IT

SASO

SOF

Today it takes time to meet the requirements

Potential Adversaries Will Apply Lessons Learned From Our Successes

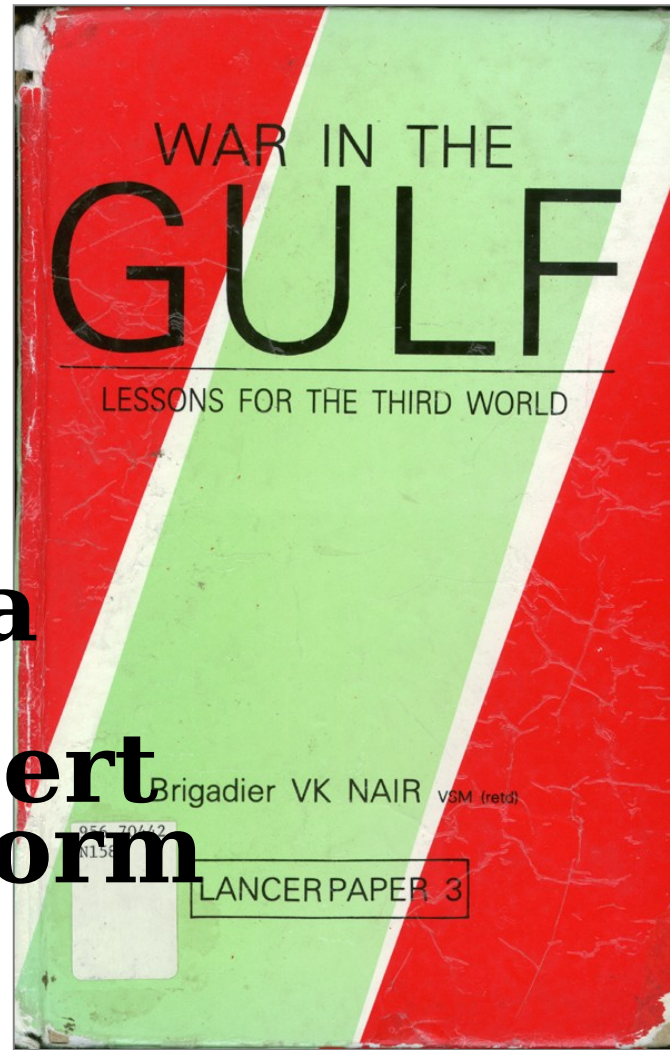
...Grenada

...Panama

...Haiti

...Bosnia

**...Desert
Storm**



...Rwanda

....Somali

....Koso

...Our Success Compels Future Adversaries To Change

To Become More Powerful, More Sophisticated, More Dangerous

Adversaries Have Unlimited Access To Technologies Challenging Our Dominance



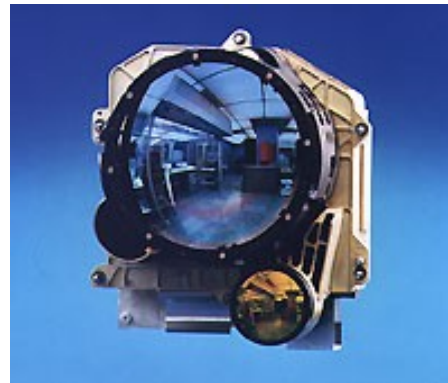
Silkworm Anti-Shipping Missile



Exocet



T-90 Tank



1st Generation FLIR



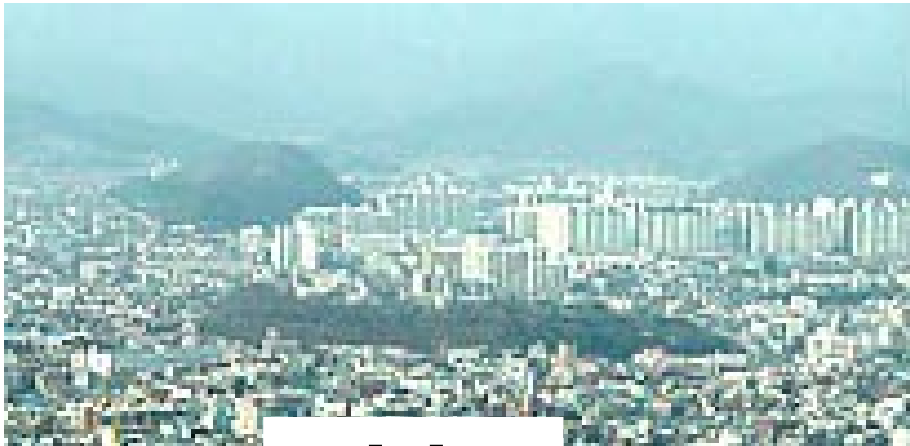
Tactical Ballistic Missiles

**enemy will try and fight us in terrain that
disadvantageous to us...**

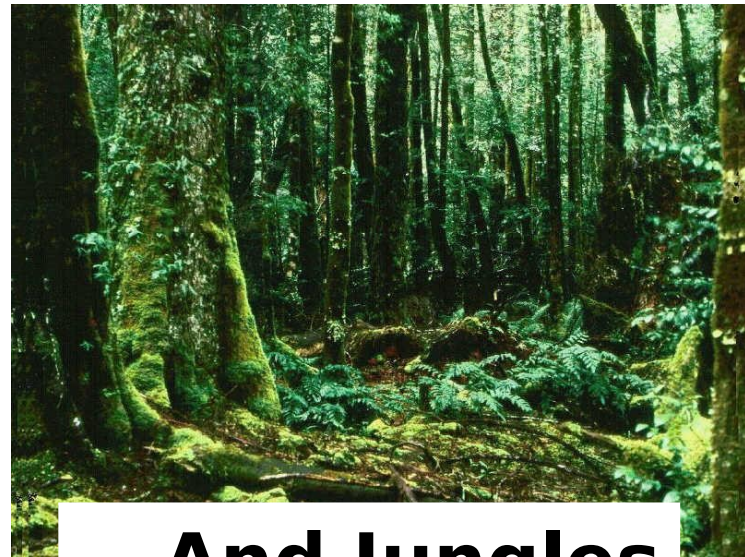
Enemy will take us into...



Mountains



Cities



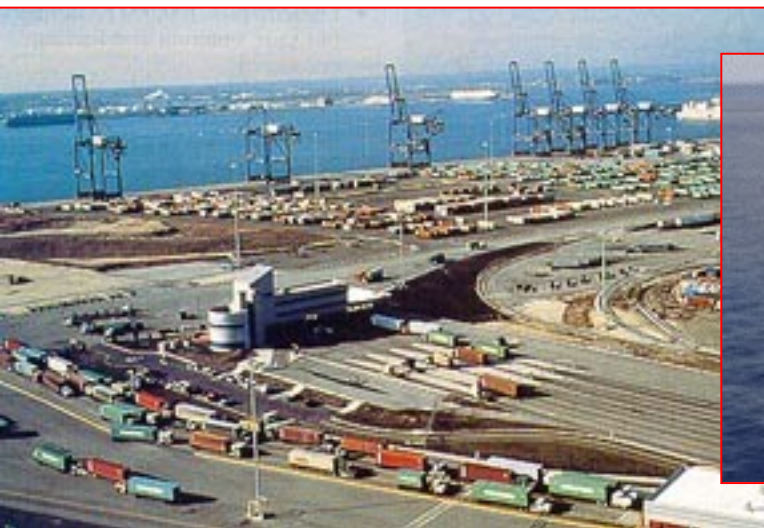
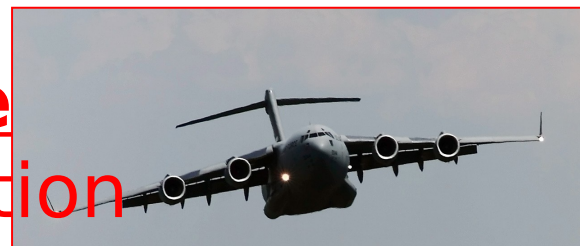
...And Jungles

STRATEGIC AND OPERATIONAL LEVEL

WE'VE SHIFTED FROM
FORWARD DEPLOYED TO **POWER PROJECTION**

We rely on Vulnerable

- Aerial Ports of Debarkation
- Sea Ports of Debarkation
- Lines of Communication



Adversaries Will Seek To Deny Access

The Challenge for Transformation: The Army Must:



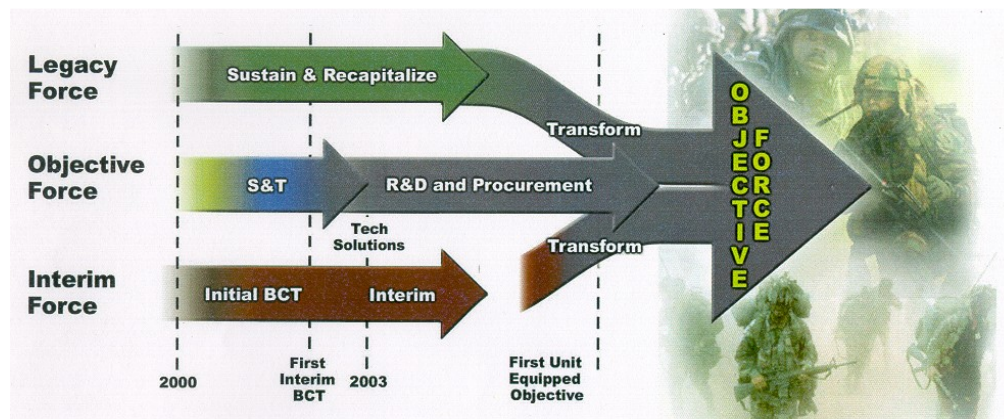
Get there....



Get there in time....



Get there in time with what we



The Strategic Requirement

- Although The Army is full spectrum capable, its organizations and equipment platforms are not optimized for strategic responsiveness to preclude expansion of a crisis or to begin stabilizing a conflict.
- The initial BCT is organized and equipped to complement light forces for small scale contingencies and crisis response for stability and support operations.
- It represents a complementary force design option for mechanized and light forces in a major regional contingency.
- The BCT is organized, trained, manned, and equipped, to operate as an integral part of a light or mechanized division task force for full spectrum operations
- The capabilities of the BCT provide options to meet an urgent need that is not currently available

STRATEGIC AND OPERATIONAL LEVEL

The Army must be able to deploy to and enter a



- ing
- **Aerial Port of Debarkation**
 - **Sea Port of Debarkation**
 - **Lines of communication**



With

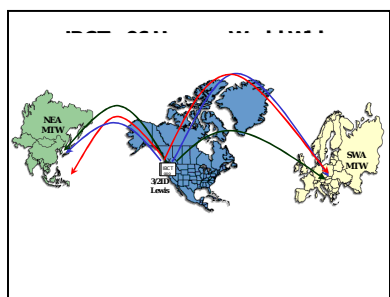
- **Reduced log requirement**
- **Capable of roll off and fight**
- **Multiple, simultaneous operations**

IBCT: 96 Hours - World Wide

READY TO FIGHT



AND WIN!



100% C-130 Airlift

...able to bypass major ports

...combat capable off-the-ramp



IBCT: Meeting The

Requirement

TODAY....

Full Spectrum =

SOF+Light+IBCT+Mech



Responsiveness

Combat
Capabilit
ies

Lethality



Interim
solution

Science and technology

Breakthroughs

In the future full-spectrum will be re-defined by the the objective force

• The **Brigade with Div/Corps**

C4ISR is a

rapidly deployable **combat**
brigade task force

• In Stability and Support
Operations:

-- The **Brigade is the guarantor combat force**

-- It protects joint and coalition

PK/PE forces

-- It may be the initial force deployed

to separate

belligerents

• In Smaller Scale Contingencies:

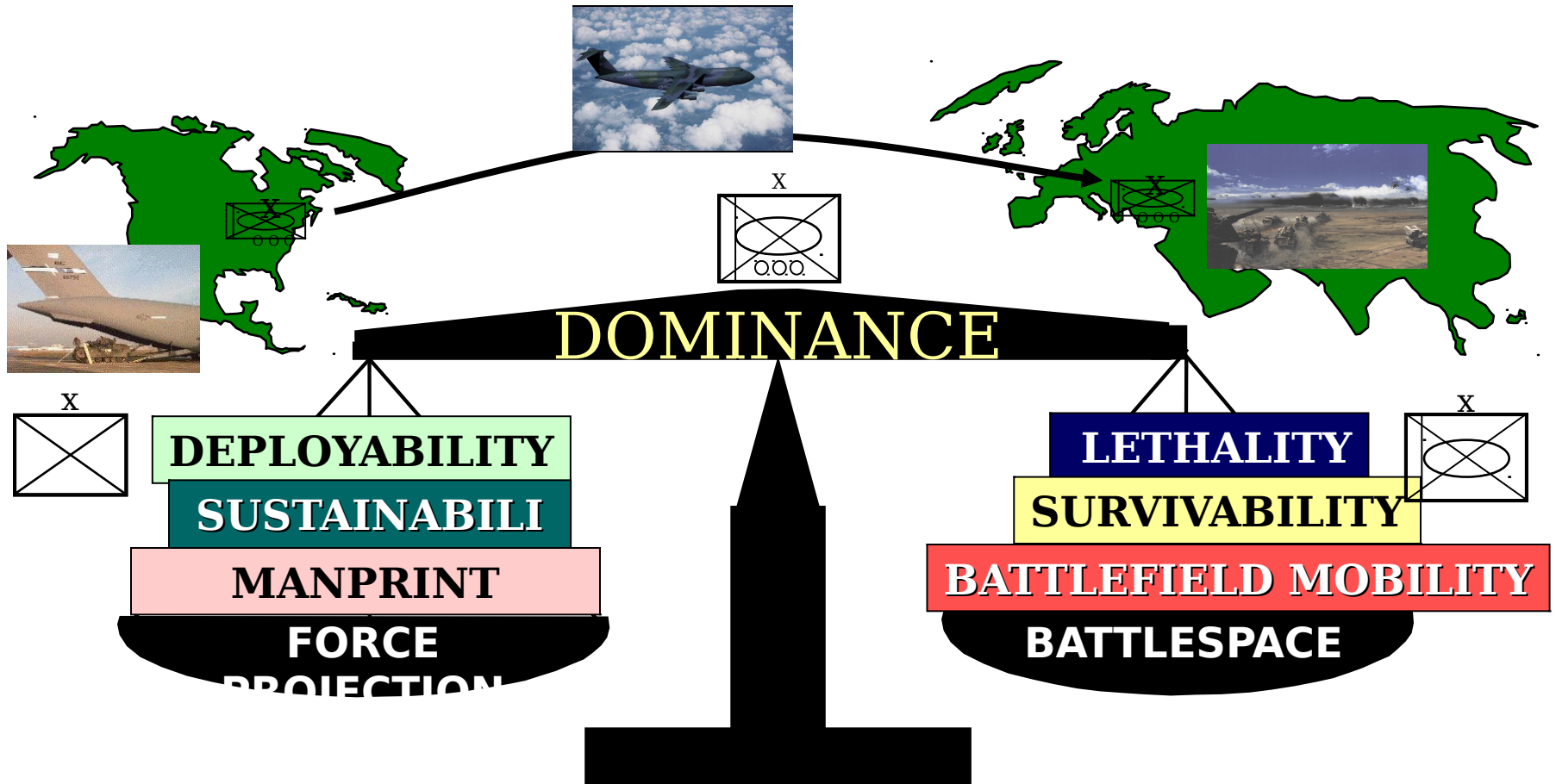
-- **Rapidly deploys** to prevent, contain, stabilize or terminate crisis

-- Land force **capable of determining outcome**

Major Theater Wars - with

Achieving Force Effectiveness

The brigade optimizes the tenets of its operational concept and organizational design by achieving the most effective balance of force projection and battlespace dominance.



Operational Experience

Desert Storm
Just Cause
Haiti
Mogadishu
Bosnia
Kosovo

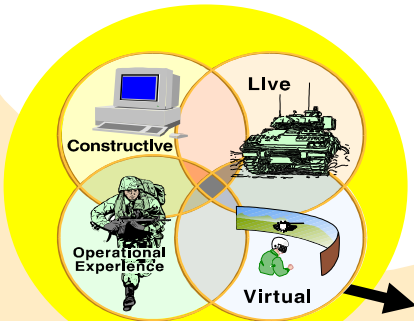
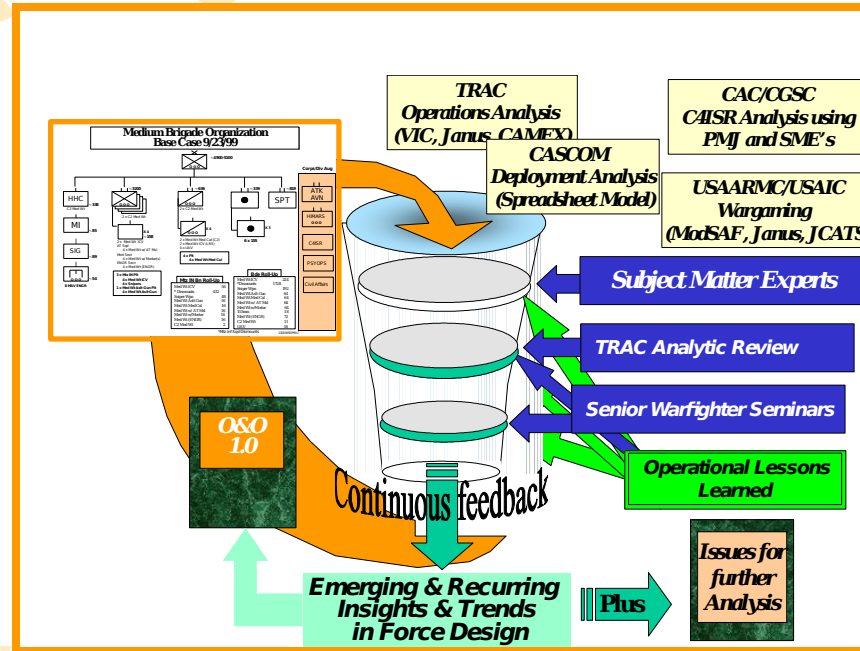
Warfighting
Capability
Gap

Army After Next

- Responsiveness
- Tactical Mobility
- Changing Operational Environment

Concepts Based Requirements Process For IBCT

Oct 99
Concept Briefing to
CSA and Army
4-Star Conference

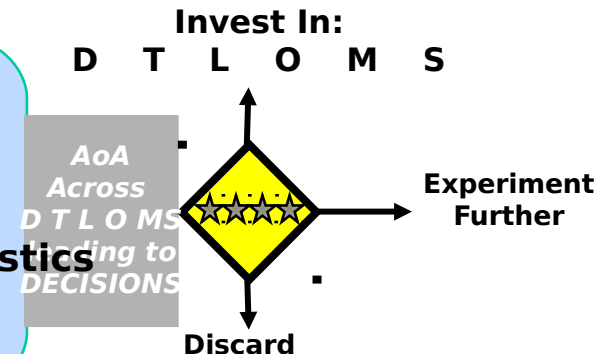


Experimentation

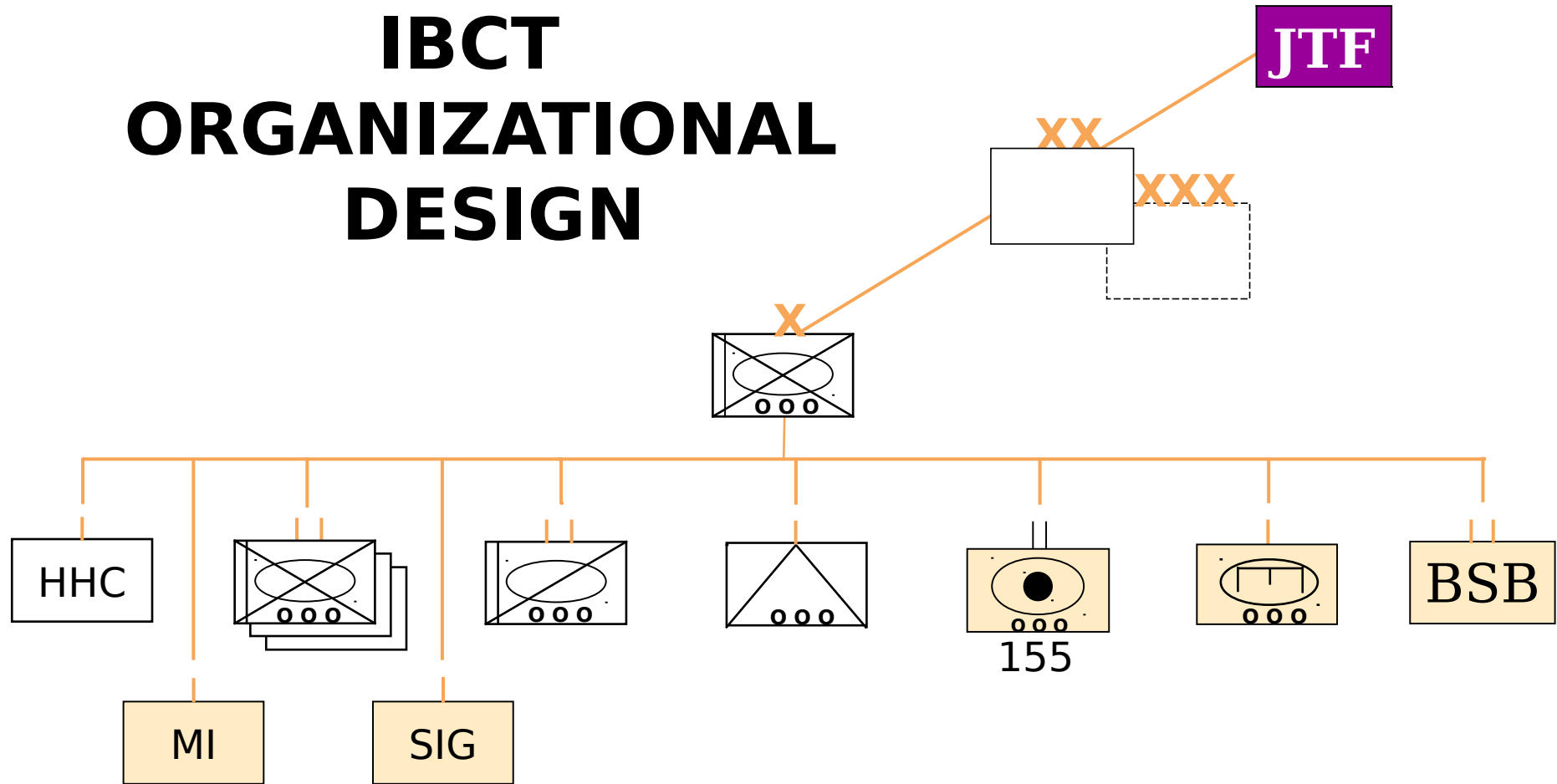
NTC 94-07
Prairie Warrior
TF XXI AWE
Division AWE
NTC 97-05
JCF AWE

INSIGHTS

- System-of-Systems
- Hybrid Teaming
- Info Dominance
- Reconnaissance
- Distribution Based Logistics
- Execution Centric vs Planning Centric



IBCT ORGANIZATIONAL DESIGN



SSC (Bosnia) Scenario

Threat Characteristics and Capabilities

INSURGENT FORCES

- **Primarily light, dismounted Infantry, with some motorization (BTR60/BRDM2). Limited ADA (SA16) & indirect fire support (D30, 60 & 82 mm mortars).**
- **Capable of unconventional, terrorist and guerrilla operations; decentralized and distributed operations; high tempo, limited duration combat.**
- **Most effective at platoon and company level operations; can conduct limited battalion level operations.**

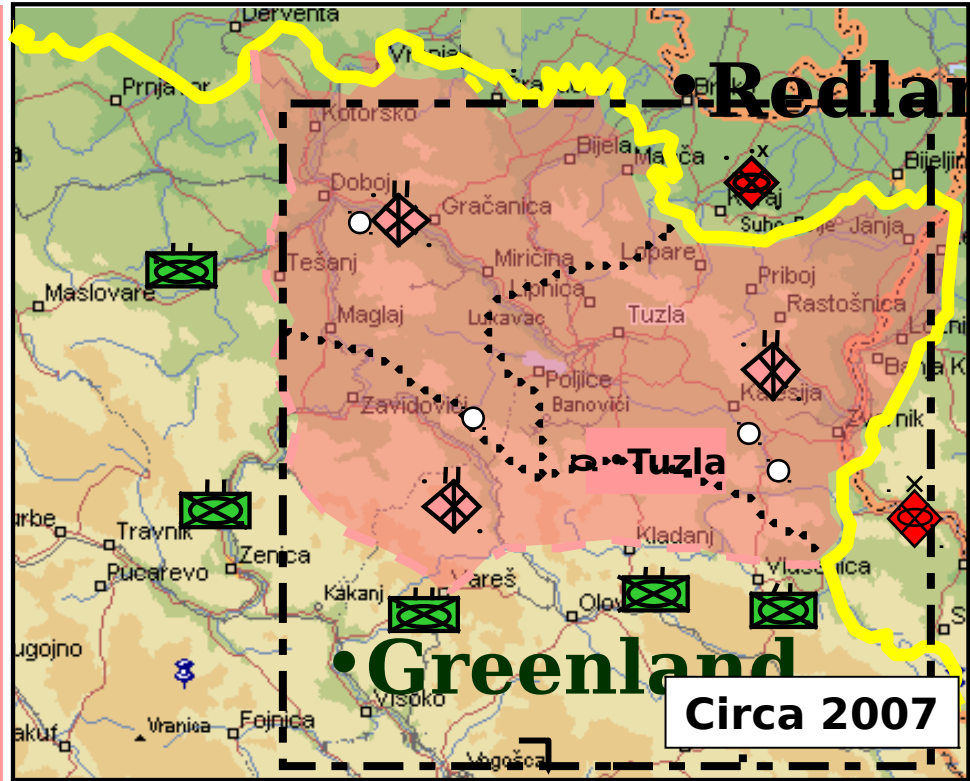
REDLAND FORCES

- **Monolithic, echelon-type force, currently engaged in training and advising the insurgents in guerrilla warfare**

Major equipment consists of

1996 Task Force Griffin Study (for DSB)

**98 Strike Force Simulation Exercise (SIMEX)(Pinkland) to defeat PNF forces
vehicles, artillery, and air defense and enforce compliance with UN**



ARFOR MISSION

On order, ARFOR deploys to Greenland to deter Redland aggression and assist the host nation to reestablish legitimate civil authority. On order, ARFOR conducts military operations within the disputed region (X)(Pinkland) to defeat PNF forces and enforce compliance with UN

Small Group Instructor Selected Warfighting Insights

- ✓ **Operational Success Dependent on Intelligence, Surveillance and Reconnaissance Effort**
- ✓ **Recon and Surveillance High Payoff, Security Opns High Risk and High Cost**
- ✓ **Long Range Sensors Are Combat Multipliers**
- ✓ **The Brigade Must See and Understand the Entirety of the Multi-Dimensional Threat Early**
- ✓ **Robust Recon, Counter-Recon, Deception and Surveillance Assets to Retain Freedom of Action**
- ✓ **Higher Number of Soldiers Required for Robust Reconnaissance and Surveillance**
- ✓ **Unmanned Aerial Vehicles Needed for Surveillance and Proactive Counterfire**



Wargaming the IBCT

- ✓ Employed ModSAF in **Repetitive** IBCT Scenarios in the **Balkans**
- ✓ ModSAF (Modular Semi-Automated Forces) Is an Interactive, High Resolution, Entity Level Simulation That Represents Combined Arms Tactical Operations up to the Battalion Level
- ✓ Early Results Verified **Traditional Reconnaissance Formations** Impact Negatively on the **Operational Effectiveness** of the IBCT. At Change of Mission, IBCT Force Structure Averaged 37% Survivability Employing **Traditional Reconnaissance Formations**

Operational Success Dependent On **Intelligence, Surveillance, Reconnaissance**

(ISR) Effort

- ✓ With RSTA (Cases 3,4,5,7,9,10,12,19,20,21,24,26-28)
 - **Effective Reconnaissance** Achieves an IBCT Combat Power at Change of Mission Averaging 77%
 - IBCT Loss Exchange Ratio; Improves Ranging from 4 Friendly per 3 Threat Losses to 1 Friendly per 5 Threat Losses
- ✓ Without RSTA (Cases 1,2)
 - IBCT **Combat Ineffective**; Loss of RSTA Impacts on **Operational Effectiveness** of IBCT. At Change of Mission, IBCT Force Structure Averaged **37%**
 - IBCT Could Not **Maneuver**
 - Consistent Loss Exchange Ratio; 2 Friendly per 1 Threat Loss
 - Compartmented/Complex Terrain Denies **Mutual Support of Combat Multipliers**
- ✓ RAND Study (1996)
 - **Reconnaissance Survivability** Enhances Main Body Success Favorably by 60%

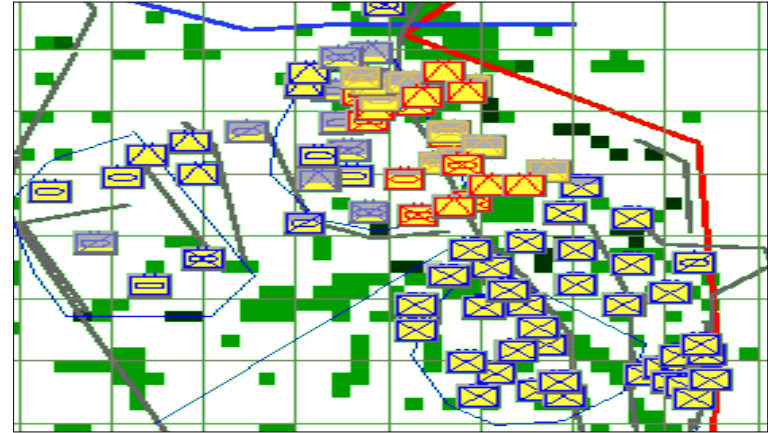
Changing the Way We Fight...

LCD Scheme of Maneuver

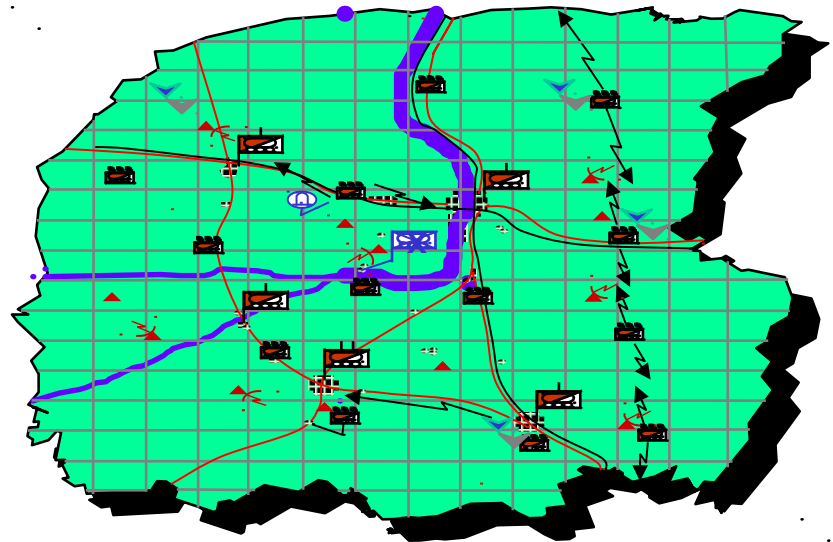
- 1 - Make **Contact**
- 2 - Develop the Situation in **Contact**
- 3 - Maneuver in **Contact**
- 4 - Conduct **DECISIVE** ~~IBCT Breaking~~ Close Combat Ops
~~Employing Reserve~~ **Paradigms To Survive and Win**

- 1 - Develop Situation **Out of Contact**
- 2 - Maneuver Forces **Out of Contact**
- 3 - Conduct **DECISIVE** Combat Ops at Time & Place of Choosing

Linear & Symmetric Battlespace

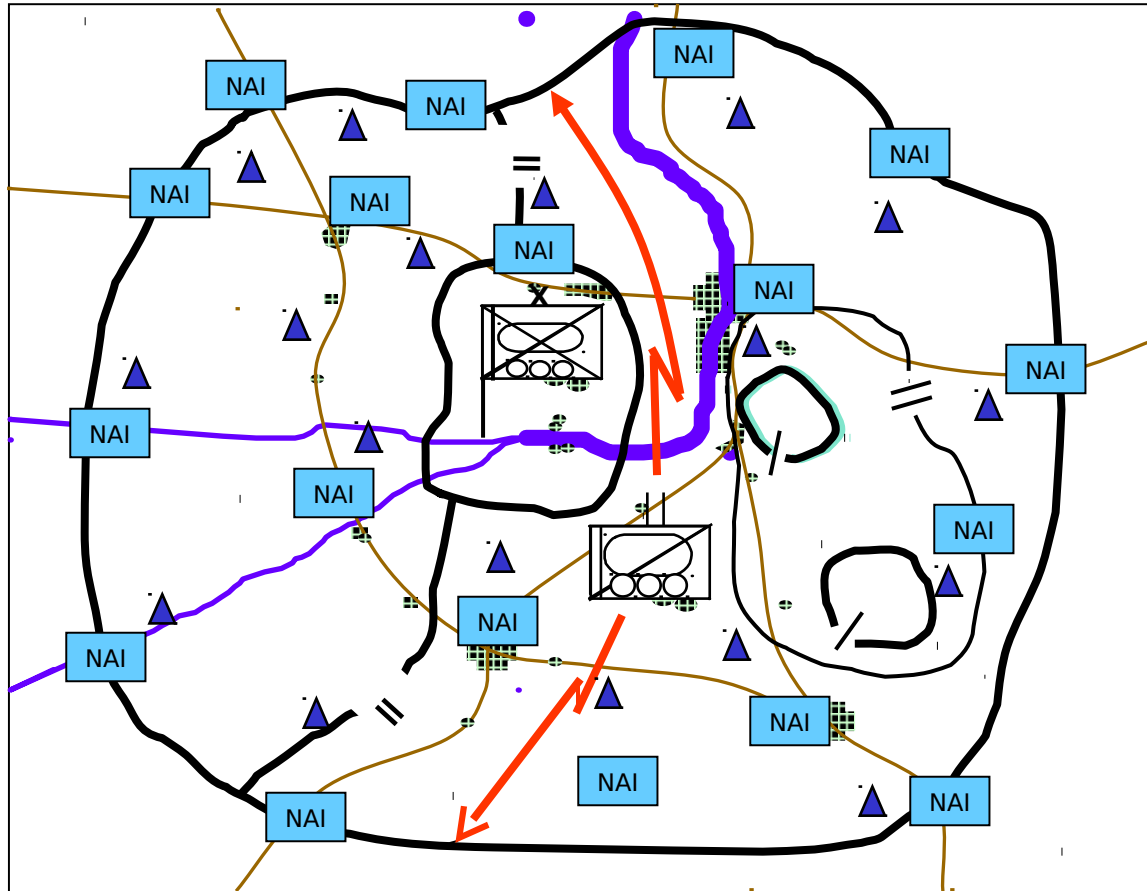


Complex Asymmetric Battlespace



RSTA Squadron Mission

**The
Reconnaissance,
Surveillance and
Target Acquisition
(RSTA) Squadron
Develops
Situational
Awareness and
Knowledge in the
Area of Operations,
Empowering the
Brigade to
Anticipate,
Forestall and
Dominate Threats,
Ensuring Mission
Accomplishment
Through Decisive
Action and
Freedom of**



Brigade Operational Concept

- Full spectrum
 - **Rapidly deployable**
 - **Combat capable on arrival**
 - Maintains freedom of maneuver from:
 - High tactical mobility
 - Situational understanding
 - **Decisive action from deliberate maneuver & dismounted Infantry assault enabled by platforms**
 - Operational mobility via C-130
- Offsets platform limitations
 - close fight with internetted
 - combined arms
 - **Force effectiveness in combat and urban terrain**
 - Increased deployability and decreased sustainment footprint
 - from common platform
 - **Ready back for Joint effects & C4ISR**
 - **Operates under a Division Corps or ARFOR HQ**

IBCT Operational Capabilities

- Conducts all major doctrinal operations: **offensive, defensive, stability and support.**
- Core capabilities centered on:
 - Excellent **operational and tactical mobility**
 - Enhanced **situational understanding**
 - **Combined arms companies** as the centerpiece of operational excellence
 - **Large number of dismounts** for close combat
 - Enhanced lethality
- Organizational capabilities integrated through **robust C4ISR network**
- Enhanced **force effectiveness** compensates for platform limitations
- Achieves decision through early entry, shaping and decisive actions

How the Brigade Fights

Employed by a Division/Corps HQ as the

REFOR (or ITF)

#1: Understands

- Robust RSTA provided Situational Awareness permits the Brigade Commander to decide and when to fight. Enables brigade to avoid inadvertent contact.

- Has robust HUMINT capabilities

- Focused on the operational environment

- Creates “neighborhood by neighborhood” understanding throughout AO

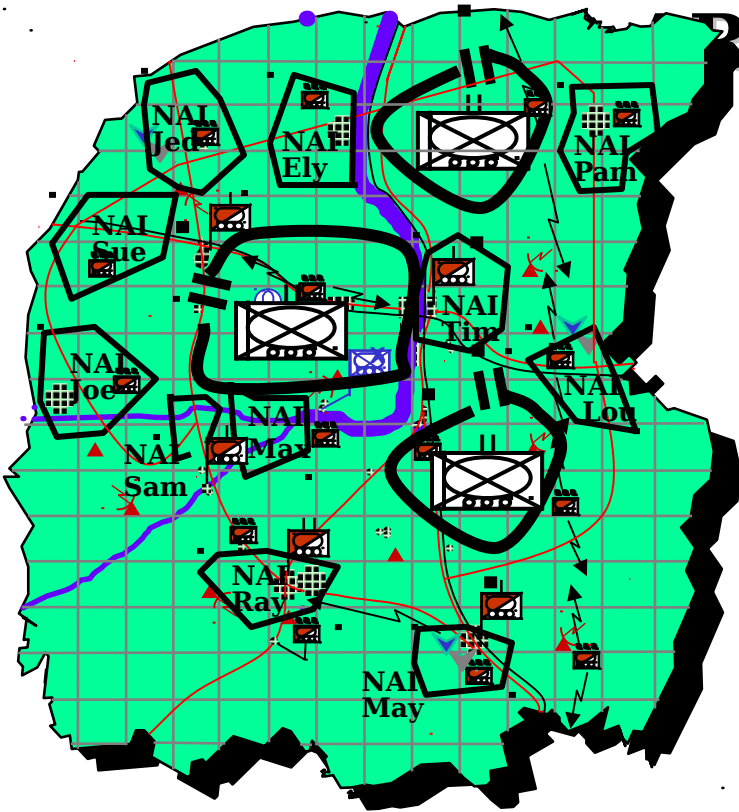
- Organic airborne reconnaissance is unmanned

- Employs three methods of reconnaissance

- Stealth

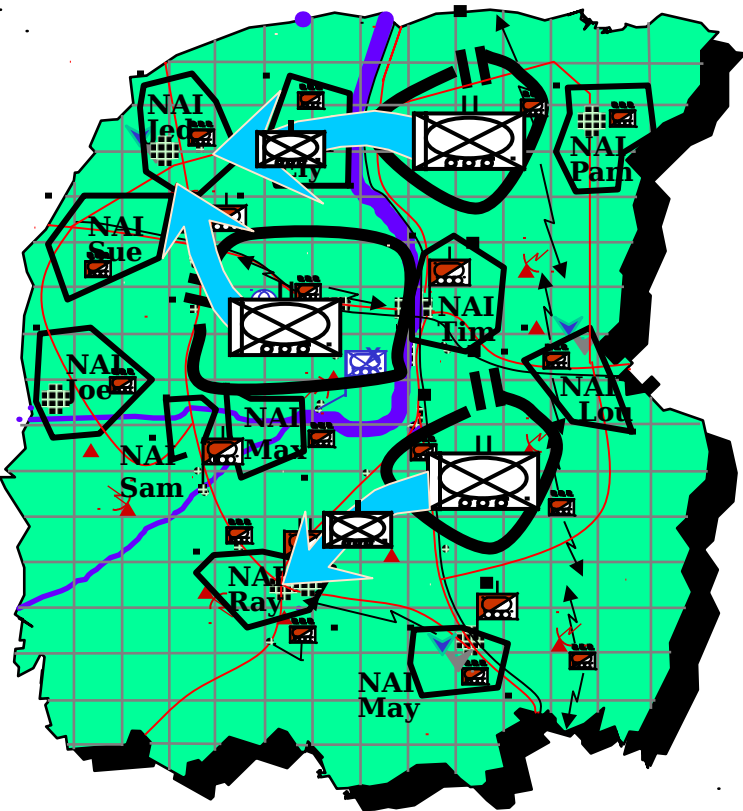
- HUMINT

- Can fight for information, if required



How the Brigade Fights

#2: Maneuver



- High mobility (strategic, operational, tactical) is a core quality.

- Executes dismounted infantry assault enabled by platforms

- RSTA Squadron provided Situational Understanding enables freedom of action..ability to rapidly move across AOR and concentrate forces where they are needed
- High concentration of mortars for close

- Understands the situation

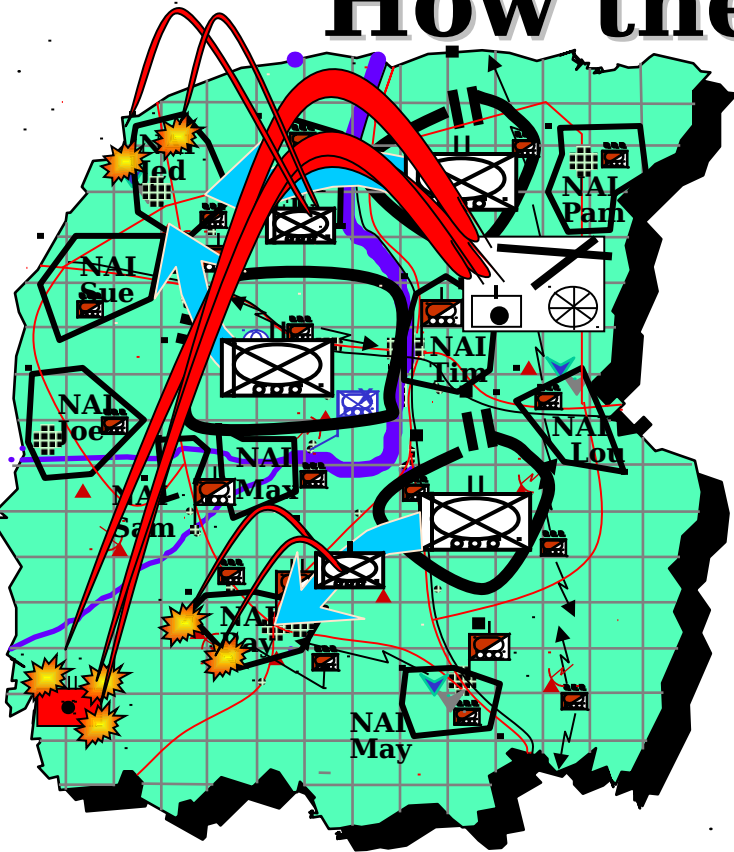
- Maneuver the force

- Makes contact

- Essence is combined arms at the company level comprised of infantry, mobile support guns, mortars, anti-tank and snipers

- Robust in Dismounted Infantry, “AT” Systems, Snipers, and Mortars

How the Brigade Fights



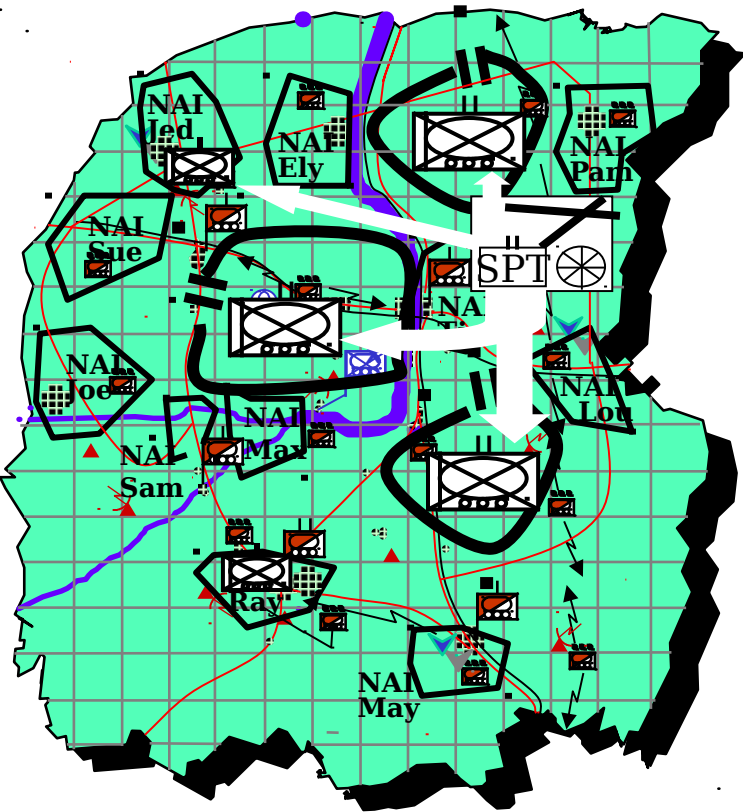
#3: Fires and Effects

- Proactive counterfires
- Close support fires from mortars embedded in companies & battalions & from Joint fires
- Brigade capable to plan and execute organic and non-organic, lethal and non-lethal fires and

#4: Air and Missile Defense #5: Mobility/Countermobility

- Protected by JTF
- Organic weapons defend against helicopters and surveillance UAVs
- Augmented as required for missile defense
- Planning & execution of non-lethal fires on mobility support to main battalions permitting brigade to str depth and reposition
- Provides limited countermobility & survivability support to the Brigade

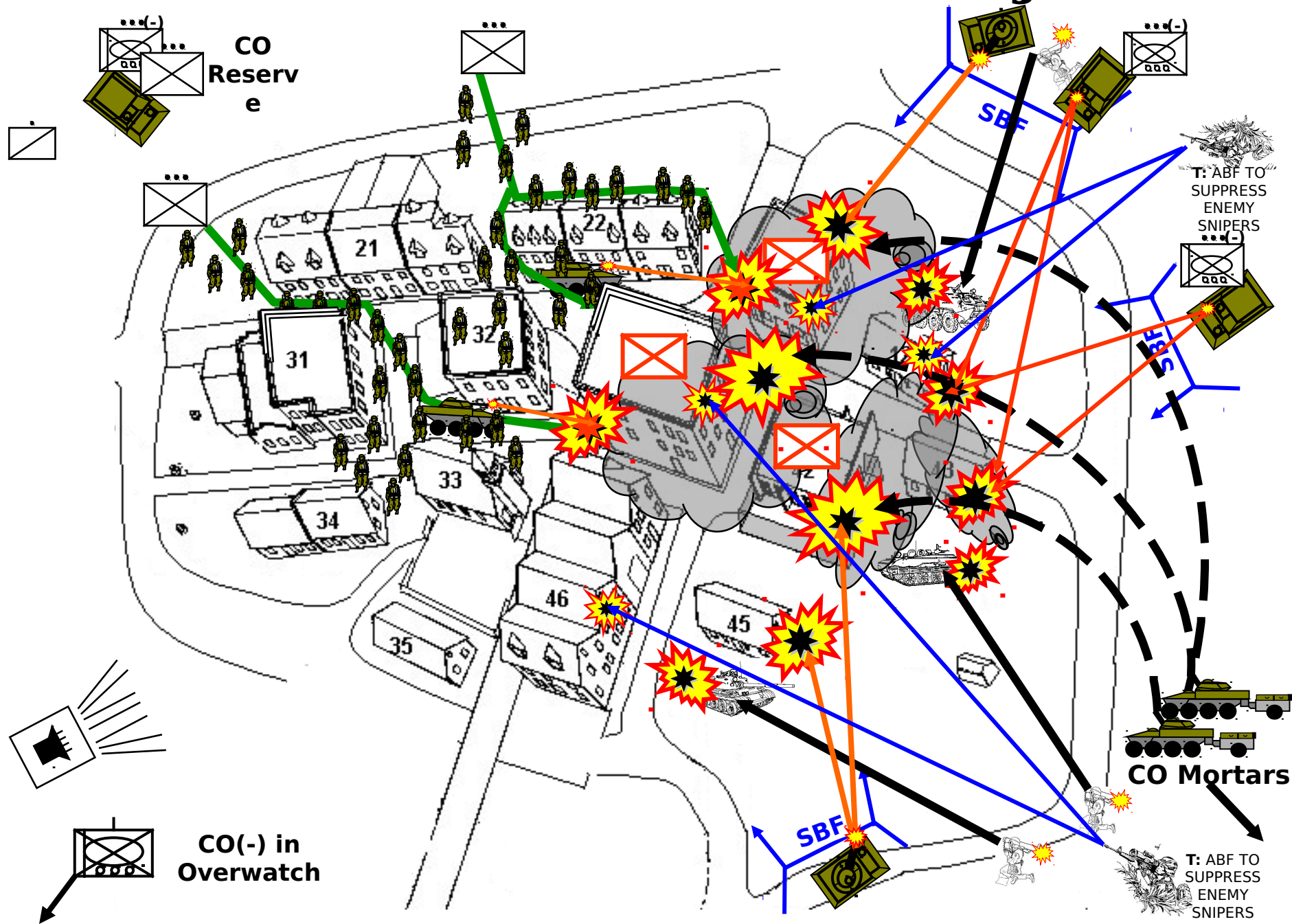
How the Brigade Fights



#6: Combat Service Support

- Minimize “fix forward”
- Contracts in theater, joint & local services & supplies to minimize deployment burden
- Distribution based, centralized logistics functions in BSB
- Exploits reach back & regionally available commercial support
- Minimized logistical footprint in Bde AOR
- Strategic and operational (C-17/C-130) air resupply

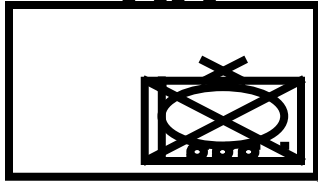
Dismounted Assault of the Objective



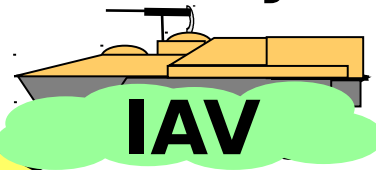
Resultant Holistic Survivability

Organizational Survivability

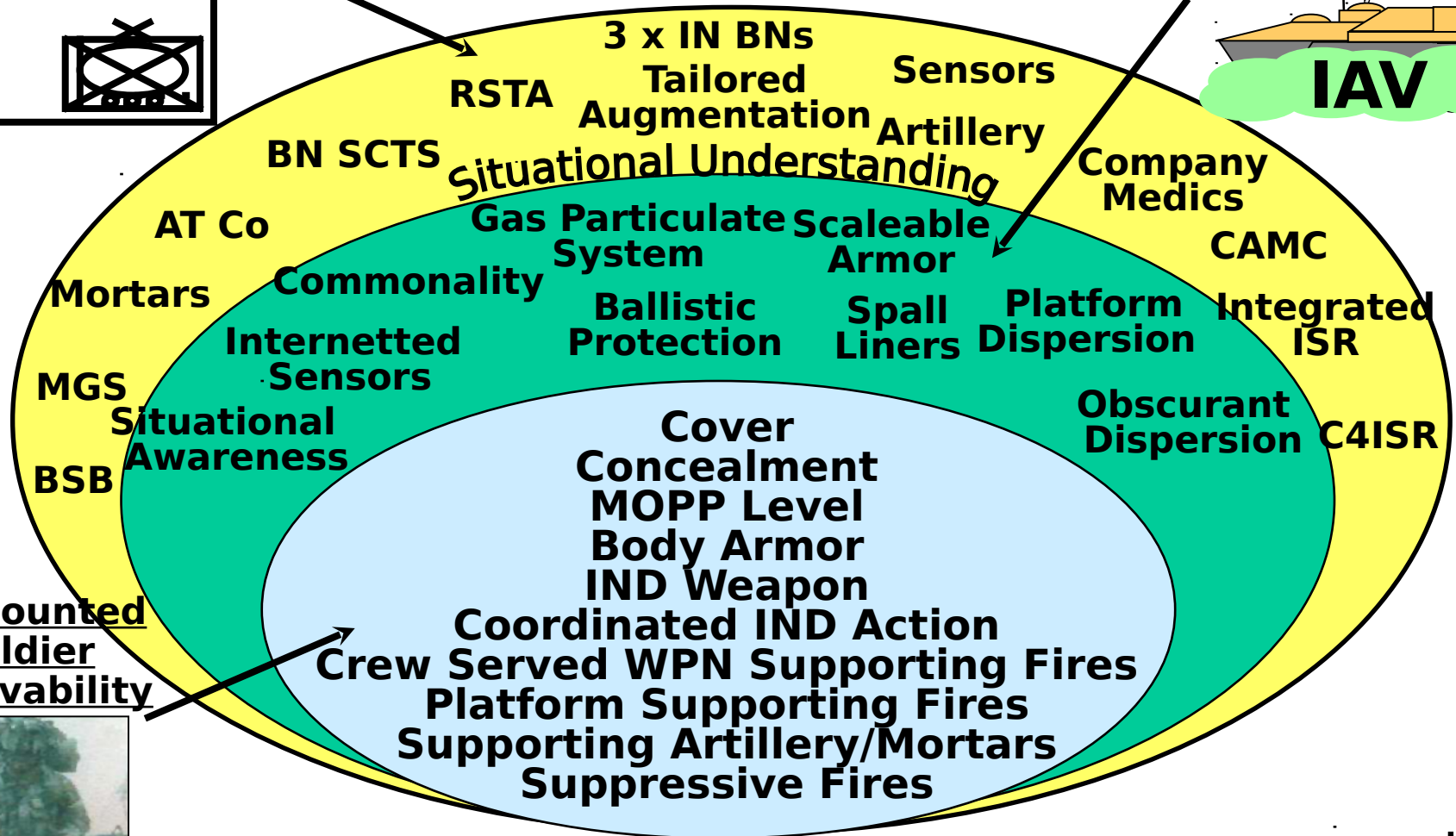
XX



Platform with Soldier Survivability

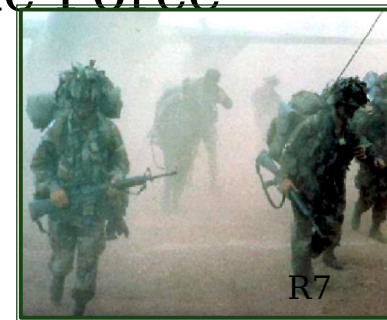


Dismounted Soldier Survivability



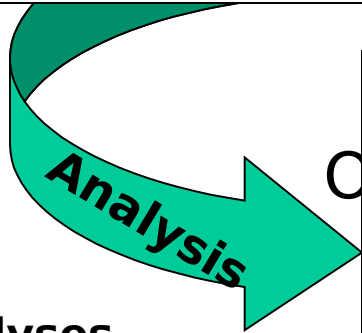
IAV Qualities Derived From O&O

- Off/Near-off-the-shelf characteristics
- Networked via FBCB2/ABCS
- C-130 deployable
- Commonality in platform
- High reliability rates/increased sustainability
- Survivable as a System-of-Systems
underpinned by complementary TTPs
- High tactical mobility/agility in complex and urban terrain
- Direct, rapid fire gun to support Infantry-centric Force
- Own the night



Developing the IBCT

Strategic Requirement
12 Oct 99



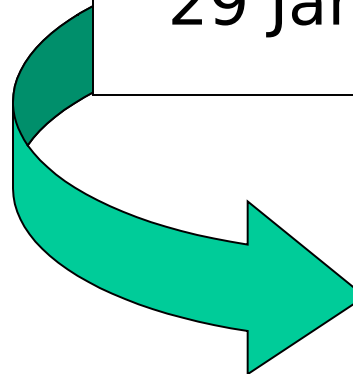
IBCT
Organizational & Operational Concept
Versions 1.0 through 3.0b
6 Jan 00

Analyses

- Modeling & Simulation
- Lessons Learned
- Small Group Instructors



ORD
29 Jan 00



RFP
9 Mar 00



This Was A Revolutionary O&O Proc

- **CSA guided**
- **CG TRADOC personal leadership**
- **Frequent Four-Star vetting (CSA)**
- **Two-Stars “In the trenches”**
- **7 x 24 the norm**
- **Multiple iterations**

...High energy

....Fast paced

....Analytically based

....Driven by strategic requirements

....Momentum to fulfill

The Army Vision

IBCT IPRs

13 Oct 99:	Army 4 Stars C
28 Oct 99:	IPR with CSA
17-18 Nov 99:	Transformation
	Conf, Ft Lewis
24 Nov 99:	CSA initiates w
	Transformation
8 Dec 99:	RRC
6 Jan 00:	O&O to HQDA
10-11 Jan 00:	Army 4 Star Co
24-25 Jan 00:	Transformation
	Conf, Ft Monr
29 Jan 00:	RRC - IAV ORI
	Approved
23-24 Feb 00:	Army Component
	Commanders'
2-3 Mar 00:	Transformation
9 Mar 00:	RFP Released
18 May 00	3 rd Bde, 2 nd ID
	reorganized as
	first IBCT
17 Nov 00:	IAV Source Se
	Announced

**Analytical effort supporting this
organizational design is the most robust ever**